



U.S. General Services Administration

GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through *GSA Advantage!*, a menu-driven database system. The INTERNET address for *GSA Advantage!* is GSAAdvantage.gov.

FEDERAL SUPPLY SCHEDULE 70
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY
EQUIPMENT, SOFTWARE AND SERVICES

Special Item Number 132-8 Purchase of New Equipment
Special Item Number 132-12 Equipment Maintenance
Special Item Number 132-33 Perpetual Software Licenses
Special Item Number 132-50 Training Courses

SPECIAL ITEM NUMBER 132-8 PURCHASE OF NEW EQUIPMENT

FSC CLASS 5820 - RADIO AND TELEVISION COMMUNICATION EQUIPMENT, EXCEPT AIRBORNE

Two-Way Radio Transmitters/Receivers/Antennas Broadcast Band Radio
Transmitters/Receivers/Antennas Microwave Radio Equipment/Antennas and Waveguides
Satellite Communications Equipment

NOTE: Installation must be incidental to, in conjunction with and in direct support of the products sold under SIN 132-8 of this contract and cannot be purchased separately. If the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act apply. In applying the Davis-Bacon Act, ordering activities are required to incorporate wage rate determinations into orders, as applicable.

SPECIAL ITEM NUMBER 132-33 - PERPETUAL SOFTWARE LICENSES

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that are included in the purchase price of the product in the commercial marketplace. No charge support includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self-diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered software maintenance as a service.

FSC CLASS 7030 - INFORMATION TECHNOLOGY SOFTWARE

Large Scale Computers
Operating System Software
Application Software
Electronic Commerce (EC)
Software Utility Software
Communications Software
Core Financial Management

Software Ancillary Financial
Systems Software
Special Physical, Visual, Speech, and Hearing Aid Software

Microcomputers

Operating System Software
Application Software
Electronic Commerce (EC)
Software Utility Software
Communications Software
Core Financial Management
Software Ancillary Financial
Systems Software
Special Physical, Visual, Speech, and Hearing Aid Software

NOTE: Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

SPECIAL ITEM NUMBER 132-50 - TRAINING COURSES (FPDS Code U012)

CONTRACT NUMBER: GS-35F-0001L

CONTRACT PERIOD: October 1, 2000 through September 30, 2020

SUPPLEMENT NUMBER: 78

PRICELIST CURRENT THROUGH: Modification PS-0078 dated June 24, 2016

For more information on ordering from Federal Supply Schedules, click on the FSS Schedule button at fss.gsa.gov

CONTRACTOR: Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, Maryland 20871
(240) 864-7000 (telephone)
(240) 864-7948 (facsimile)
www.thalesdsi.com

CONTRACTOR'S POINT OF CONTACT FOR CONTRACT ADMINISTRATION:

Name: Melissa Schwartz
Title: Director of Contracts

Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, Maryland 20871
(123) 456-7523 (telephone)
mschwartz@thalesdsi.com

BUSINESS SIZE: Large

CONTRACTOR INFORMATION

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

| | |
|------------|----------------------------|
| SIN 132-8 | Purchase of New Equipment |
| SIN 132-12 | Equipment Maintenance |
| SIN 132-33 | Perpetual Software License |
| SIN 132-50 | Training Courses |

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:

Not Applicable

1c. HOURLY RATES: Not Applicable.

2. MAXIMUM ORDER:

| | |
|------------|-----------|
| SIN 132-8 | \$500,000 |
| SIN 132-12 | \$500,000 |
| SIN 132-33 | \$500,000 |
| SIN 132-50 | \$25,000 |

3. MINIMUM ORDER: \$100

4. GEOGRAPHIC COVERAGE: Domestic

5. POINT(S) OF PRODUCTION: Clarksburg, Maryland

6. DISCOUNT FROM INTERNAL RATE:

The GSA Net Prices published on the GSA Advantage website reflect the fully burdened price. The negotiated discount has been applied and the Industrial Funding Fee has been added.

7. QUANTITY DISCOUNT: Additional discounts are reflected in this Pricelist, below.

8. PROMPT PAYMENT TERMS: Net 30 Days

Information for Ordering Offices: Prompt Payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. GOVERNMENT PURCHASE CARD:

Accepted for sales at or below the micro-purchase threshold.

Acceptance for purchases above the micro-purchase threshold will be determined on a procurement-by-procurement basis.

10. FOREIGN ITEMS: None

11a. TIME OF DELIVERY:

Special Item Number: 132-8: For the AN/PRC-148 Equipment, most items can be delivered 90 days or sooner after receipt of order, or as mutually agreed between Thales and the Ordering Agency. Call 800-914-0303 for details.

Special Item Number 132-12: As mutually agreed between Thales and the Ordering Agency

Special Item Number 132-33: 90 days or sooner after receipt of order, or as mutually agreed between Thales and the Ordering Agency. Some items can be shipped within 30-90 days. Call 800-914-0303 for details.

Special Item Number 132-50: As mutually agreed between Thales and the Ordering Agency.

11b. EXPEDITED DELIVERY:

Please contact the Contractor for availability and rates.

11c. OVERNIGHT AND 2-DAY DELIVERY:

Please contact the Contractor for availability and rates.

11d. URGENT REQUIREMENTS:

Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. FOB POINT: Destination

13a. ORDERING ADDRESS:

Name: Robin Little
Title: Customer Services Manager
Thales Defense & Security, Inc.

22605 Gateway Center Drive
 Clarksburg, Maryland 20871
 (240) 864-7938 (telephone)
 Robin.little@thalesdsi.com

13b. ORDERING PROCEDURES:

For supplies and services, the ordering procedures and information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. PAYMENT ADDRESS:

Name: Mona Hersh
 Title: Accounts Receivable Manager
 Thales Defense & Security, Inc.
 22605 Gateway Center Drive
 Clarksburg, Maryland 20871
 (240) 864-7529 (telephone)
 Mona.hersh@thalesdsi.com

15. WARRANTY PROVISION:

See the Terms and Conditions Applicable to each Special item Number, below.

16. EXPORT PACKING CHARGES: Not Applicable

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:

Please contact the Contractor for terms and conditions of acceptance.

18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):

Not Applicable

19. TERMS AND CONDITIONS OF INSTALLATION: Not Applicable

20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):

Not Applicable

20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES:

Not Applicable

21. **LIST OF SERVICE AND DISTRIBUTION POINTS:** Not Applicable
22. **LIST OF PARTICIPATING DEALERS:** See Attachment 1 beginning on page ##, below.
23. **PREVENTIVE MAINTENANCE:** None
- 24a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):**

None
- 24b. **SECTION 508 COMPLIANCE FOR ELECTRONIC and INFORMATION TECHNOLOGY:**

See visit the Contractor's website at www.thalesdsi.com.
25. **DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER:** 003253788
26. **NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE**

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF GENERAL PURPOSE
COMMERCIAL INFORMATION TECHNOLOGY NEW EQUIPMENT (SPECIAL ITEM NUMBERS
132-8)**

1. Material and Workmanship

All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

2. Order

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under BPAs shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

IMPORTANT ORDERING INSTRUCTIONS:

The necessity for Order Modifications can be avoided through ensuring the following information is included on the order. If there are any questions, please contact Thales Customer Service at 1-800-914-0303.

- a. Thales Cannot Ship AN/PRC-148 equipment to APO Addresses. Orders must contain a ship to address located within the Continental United States. If the order is destined for an overseas delivery, a U.S. containerization point should be specified which will then transport the order to a "Marked For" destination.
- b. Include a Valid COMSEC or DODAAC Account Number for any order which includes AN/PRC-148 Radios. AN/PRC-148 Radios are Cryptographic Controlled Items (CCI) and cannot be shipped without a COMSEC Account Number, COMSEC Custodian Name and Phone Number.
- c. All items ordered from this GSA Schedule Pricelist must specify BOTH Inspection and Acceptance as "DESTINATION."
- d. All orders should include a Point of Contact Name, Phone Number and/or Email Address to facilitate answering of questions related to meeting time-sensitive delivery requirements.

For credit card orders and BPAs, telephone orders are permissible.

3. Transportation of Equipment

FOB DESTINATION. Prices cover equipment delivery to destination for any location within the geographic scope of this contract.

4. Installation and Technical Services

- a. INSTALLATION. When the equipment provided under this contract is not normally self-installable, the Contractor's technical personnel shall be available to the ordering activity, at the ordering activity's location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule:

Contractor's equipment offered in this Schedule is self-installable.

- b. INSTALLATION, DEINSTALLATION, REINSTALLATION. The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act apply.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8 or SIN 132-9.

c. OPERATING AND MAINTENANCE MANUALS

The Contractor shall furnish the Government with one (1) copy of all operating and maintenance manuals which are normally provided with the equipment being purchased.

5. Inspection/Acceptance

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any equipment that has been tendered for acceptance. The Government may require repair or replacement of nonconforming equipment at no increase in contract price. The Government must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered, and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

6. Warranty

6a. Thales Commercial Warranty

a. Unless specified otherwise in this contract, the Contractor's standard commercial warranty as stated in the contractor's commercial pricelist will apply to this contract for SIN 132-8 equipment.

Summary of Thales Commercial Warranty:

1. Buyer assumes payment of all transportation costs to and from Thales.
 2. Items which were abused or damaged by the Buyer are not covered under this warranty.
 3. Thales will repair or replace, at Thales's discretion, all items found to be defective in materials or workmanship for a period of one year from the date of acceptance. All parts replaced during the warranty period shall become the property of the contractor.
 4. Inspection and repair of defective equipment under this warranty will be performed only at the contractor's plant.
 5. Thales is not responsible for incidental or consequential damages.
 6. Unless explicitly stated for a different period, prime mission equipment is warranted for 1 year under normal usage. Batteries, fuses and consumables are warranted for 6 months under normal usage.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose intended in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the Government for consequential damages resulting from any defect or deficiencies in accepted items.

- d. If inspection and repair of defective equipment under this warranty will be performed at the Contractor's plant, the address is as follows:

Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, MD 20871
- e. For instructions on returning equipment to Thales for repair using Thales' web-based Return Material Authorization (RMA) system, visit www.thalesdsi.com and click on "Customer Support". Assistance may also be obtained by calling Customer Service at 800-914-0303.
- f. The warranty for the AN/PRC-148 will be 5 years for the R/T Unit and 1 year for other system components.

II. Non-Warranty Repairs:

For this procurement, a non-warranty line item has been proposed and is subject to the following conditions:

Non-warranty repairs shall be performed on units not covered by warranty which are separately ordered by the customer. Reasons for non-warranty repair may include, but are not limited to, abuse of the unit, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts. Repairs or replacements are not required to be made when the repair or replacement costs are deemed "Beyond Economical Repair (BER)". Reasons for non-repair may include, but not be limited to, significant or catastrophic damage or failure of the unit.

7. Extended Warranties

7a. One Year Extended Warranty Option (Liberty™ Radio)

A one-year Extended Warranty Option is available on the Liberty™ radio transceiver unit at an additional cost to the Buyer and in accordance with Thales' standard warranty terms as summarized above.

- a. The extended warranty commences following the expiration of the standard three (3) year warranty included in the purchase of the radio unit provided there has been no break in radio unit coverage. Extended warranty must be purchased prior to the expiration of the standard warranty. Up to five (5) additional years can be purchased.
- b. Invoicing for the Extended Warranty Option will occur at the time of order. Payment will be due in accordance with Thales' standard payment terms.
- c. Inspection and repair of returned units under Extended Warranty will be performed only at the contractor's plant, the address as is follows:

Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, MD 20871

- d. Extended Warranty does not cover repair or replacement of units that are deemed by Thales as “Beyond Economical Repair (BER)”, defined as repair costs greater than sixty-five percent (65%) of the current replacement price of the radio. Reasons for non-repair may include, but are not be limited to, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts.
- b. Questions concerning extended warranty repairs should be directed to Customer Service at 800-914-0303.

7b. One Year Extended Warranty Option (JEM Radio)

A one-year Extended Warranty Option is available on the JEM radio transceiver unit at an additional cost to the Buyer and in accordance with Thales’ standard warranty terms as summarized above. Up to five (5) additional years can be purchased. Extended warranty must be purchased prior to the expiration of the standard warranty.

- a. The extended warranty commences following the expiration of the standard five (5) year warranty included in the purchase of the radio unit provided there has been no break in radio unit coverage.
- b. Invoicing for the Extended Warranty Option will occur at the time of order. Payment will be due in accordance with Thales’ standard payment terms.
- c. Inspection and repair of returned units under Extended Warranty will be performed only at the contractor’s plant, the address as is follows:

Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, MD 20871
- d. Extended Warranty does not cover repair or replacement of units that are deemed by Thales as “Beyond Economical Repair (BER)”, defined as repair costs greater than sixty-five percent (65%) of the current replacement price of the radio. Reasons for non-repair may include, but are not be limited to, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts.
- c. Questions concerning extended warranty repairs should be directed to Customer Service at 800-914-0303.

7c. One Year Extended Warranty Options (Vehicle Adapter Amplifier and Base Station)

A one-year extended warranty option is available on the Vehicle Adapter Amplifier (VAA) and the Base Station at an additional cost to the Buyer and in accordance with Thales’ standard warranty terms as summarized above. Up to nine (9) additional years can be purchased.

- a. The extended One-Year Extended Warranty Option commences following the expiration of the standard one (1) year upon delivery. Extended warranty must be purchased prior to the expiration of the standard warranty.
- b. Invoicing for the Extended Warranty Option will occur at the time of order. Payment will be due in accordance with Thales' standard payment terms.
- c. Inspection and repair of returned units under Warranty will be performed only at the contractor's plant, the address as is follows:

Thales Defense & Security, Inc.
22605 Gateway Center Drive
Clarksburg, MD 20871
- d. The Extended Warranty Option does not cover repair or replacement of units that are deemed by Thales as "Beyond Economical Repair (BER)", defined as repair costs greater than sixty-five percent (65%) of the current replacement price of the VAA. Reasons for non-repair may include, but are not be limited to, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts.

Questions concerning warranty repairs should be directed to Customer Service at 800-914-0303.

8. Purchase Price for Ordered Equipment

The purchase price that the Government will be charged will be the Government purchase price in effect at the time of order placement, or the Government purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

9. Responsibilities of the Contractor

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

10. Trade-in of Information Technology Equipment

When an agency determines that Information Technology equipment will be replaced, the agency shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR part 101-43-6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).

TERMS AND CONDITIONS APPLICABLE TO MAINTENANCE, REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS FOR GOVERNMENT-OWNED GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY

**EQUIPMENT (AFTER EXPIRATION OF GUARANTEE/WARRANTY
PROVISIONS AND/OR WHEN REQUIRED SERVICE IS NOT COVERED
BY GUARANTEE/WARRANTY PROVISIONS) AND FOR LEASED EQUIPMENT
(SPECIAL ITEM NUMBER 132-12)**

1. SERVICE AREAS

a. The maintenance and repair service rates listed herein are applicable to any ordering activity location within a _____ N/A* _____ mile radius of the Contractor's service points. If any additional charge is to apply because of the greater distance from the Contractor's service locations, the mileage rate or other distance factor shall be stated in paragraphs 8.d and 9.d of this Special Item Number 132-12.

** Thales Defense & Security, Inc. has an RMA system for the return and repair of equipment.*

b. When repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor's plant(s) listed below:

Clarksburg, Maryland

2. MAINTENANCE ORDER

- a. Agencies may use written orders, EDI orders, credit card orders, or BPAs, for ordering maintenance under this contract. The Contractor shall confirm orders within fifteen (15) calendar days from the date of receipt, except that confirmation of orders shall be considered automatic for renewals for maintenance (Special Item Number 132-12). Automatic acceptance of order renewals for maintenance service shall apply for machines which may have been discontinued from use for temporary periods of time not longer than 120 calendar days. If the order is not confirmed by the Contractor as prescribed by this paragraph, the order shall be considered to be confirmed by the Contractor.
- b. The Contractor shall honor orders for maintenance for the duration of the contract period or a lessor period of time, for the equipment shown in the pricelist. Maintenance service shall commence on a mutually agreed upon date, which will be written into the maintenance order. Maintenance orders shall not be made effective before the expiration of any applicable maintenance and parts guarantee/warranty period associated with the purchase of equipment. Orders for maintenance service shall not extend beyond the end of the contract period.
- c. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice, or shorter notice when agreed to by the Contractor; such notice to become effective thirty (30) calendar days from the date on the notification. However, the ordering activity may extend the original discontinuance date upon written notice to the Contractor, provided that such notice is furnished at least ten (10) calendar days prior to the original discontinuance date.
- d. Annual Funding. When annually appropriated funds are cited on a maintenance order, the period of maintenance shall automatically expire on September 30th of the contract period, or at the end of the contract period, whichever occurs first. Renewal of a maintenance order citing the new appropriation shall be required, if maintenance is to continue during any remainder of the contract period.

- e. Cross-year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month, fiscal year period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- f. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of maintenance service, if maintenance is to be terminated at that time. Orders for continued maintenance will be required if maintenance is to be continued during the subsequent period.

3. REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS ORDERS

- a. Agencies may use written orders, EDI orders, credit card orders, blanket purchase agreements (BPAs), or small order procedures for ordering repair service and/or repair parts/spare parts under this contract. Orders for repair service shall not extend beyond the end of the contract period.
- b. When repair service is ordered, only one chargeable repairman shall be dispatched to perform repair service, unless the ordering activity agrees, in advance, that additional repair personnel are required to effect repairs.

4. LOSS OR DAMAGE

When the Contractor removes equipment to his establishment for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

5. SCOPE

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of this Information Technology Schedule.
- b. Equipment placed under maintenance service shall be in good operating condition.
 - (1) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
 - (2) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor's guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
 - (3) If the equipment was not under the Contractor's responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of Special Item Number 132-12 (or outside the scope of this contract).

6. RESPONSIBILITIES OF THE ORDERING ACTIVITY

- a. Ordering activity personnel shall not perform maintenance or attempt repairs to equipment while such equipment is under the purview of a maintenance order, unless agreed to by the Contractor.

- b. Subject to security regulations, the ordering activity shall permit access to the equipment which is to be maintained or repaired.

7. RESPONSIBILITIES OF THE CONTRACTOR

- a. For equipment not covered by a maintenance contract or warranty, the Contractor's repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.
- b. If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Agency and the Contractor.

8. MAINTENANCE RATE PROVISIONS

- a. *The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are* necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.

b. REGULAR HOURS

The basic monthly rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed at the ordering activity location.

c. AFTER HOURS

Should the ordering activity require that maintenance be performed outside of Regular Hours, charges for such maintenance, if any, will be specified in the pricelist. Periods of less than one hour will be prorated to the nearest quarter hour.

d. TRAVEL AND TRANSPORTATION

If any charge is to apply, over and above the regular maintenance rates, because of the distance between the ordering activity location and the Contractor's service area, the charge will be:

TBN

e. QUANTITY DISCOUNTS

Quantity discounts from listed maintenance service rates for multiple equipment owned and/or leased by a ordering activity are indicated below:

| Quantity Range | Discounts |
|----------------|-----------|
| _____ Units | _____ % |
| _____ Units | _____ % |
| _____ Units | _____ % |

9. REPAIR SERVICE RATE PROVISIONS

- a. **CHARGES.** Charges for repair service will include the labor charge, computed at the rates set forth below, for the time during which repairmen are actually engaged in work, and, when applicable, the charge for travel or transportation.
- b. **MULTIPLE MACHINES.** When repairs are ordered by a ordering activity on two or more machines located in one or more buildings within walking distance of each other, the charges will be computed from the time the repairman commences work on the first machine, until the work is completed on the last machine. The time required to go from one machine to another, or from one building to another, will be considered actual work performance, and chargeable to the ordering activity, provided the time consumed in going between machines (or buildings) is reasonable.
- c. **TRAVEL OR TRANSPORTATION**

- (1) **AT THE CONTRACTOR'S SHOP**

- (a) When equipment is returned to the Contractor's shop for adjustments or repairs which are not covered by the guarantee/warranty provision, the cost of transportation, packing, etc., from the ordering activity location to the Contractor's plant, and return to the ordering activity location, shall be borne by the ordering activity.
 - (b) The ordering activity should not return defective equipment to the Contractor for adjustments and repairs or replacement without his prior consultation and instruction.

- (2) **AT THE ORDERING ACTIVITY LOCATION (Within Established Service Areas)**

When equipment is repaired at the ordering activity location, and repair service rates are established for service areas or zones, the listed rates are applicable to any ordering activity location within such service areas or zones. No extra charge, time, or expense will be allowed for travel or transportation of repairmen or machines to or from the ordering activity office; such overhead is included in the repair service rates listed.

- (3) **AT THE ORDERING ACTIVITY LOCATION (Outside Established Service Areas)**

- (a) The repair service rates listed for subparagraph (2) above apply, except that a travel charge of _____ per mile for repairmen will apply to the round-trip distance between the geographic limits of the applicable service area and the ordering activity location. Such charge will apply as an additional charge, but it will be limited to one round trip for each request that is made by the ordering activity for repair service, regardless of whether repairs are performed at the ordering activity location or at the Contractor's shop.
 - (b) When the overall travel charge computed at the above mileage rate is unreasonable (considering the time required for travel, actual and necessary transportation costs, and the allowable ordering activity per diem rate for each night the repairman is required to remain overnight at the ordering activity location), the ordering activity shall have the option of reimbursing the Contractor for actual costs, provided that the actual costs are reasonable and allowable. The Contractor shall furnish the ordering activity with a report of travel performed and related expenses incurred. The report shall include departure and arrival dates, times, and the applicable mode of travel.

- d. **LABOR RATES**

(1) REGULAR HOURS

The Regular Hours repair service rates listed herein shall entitle the ordering activity to repair service during the period 8:00 a.m. to 5:00 p.m., Monday through Friday, exclusive of holidays observed at the ordering activity location. There shall be no additional charge for repair service which was requested during Regular Hours, but performed outside the Regular Hours defined above, at the convenience of the Contractor.

(2) AFTER HOURS

When the ordering activity requires that repair service be performed outside the Regular Hours defined above, except Sundays and Holidays observed at the ordering activity location, the After Hours repair service rates listed herein shall apply. The Regular Hours rates defined above shall apply when repair service is requested during Regular Hours, but performed After Hours at the convenience of the Contractor.

(3) SUNDAYS AND HOLIDAYS

When the ordering activity requires that repair service be performed on Sundays and Holidays observed at the ordering activity location, the Sundays and Holidays repair service rates listed herein shall apply. When repair service is requested to be performed during Regular Hours and/or After Hours, but is performed at the convenience of the Contractor on Sundays or Holidays observed at the ordering activity location, the Regular Hours and/or After Hours repair service rates, as applicable, shall apply.

REPAIR SERVICE RATES

| AND | | REGULAR | AFTER | SUNDAYS |
|--|-----------------|------------------|------------------|-------------------|
| LOCATION | MINIMUM CHARGE* | HOURS PER HOUR** | HOURS PER HOUR** | HOLIDAYS PER HOUR |
| CONTRACTOR'S SHOP | _____ | _____ | _____ | _____ |
| ORDERING ACTIVITY LOCATION (WITHIN ESTABLISHED SERVICE AREAS) | _____ | _____ | _____ | _____ |
| ORDERING ACTIVITY LOCATION (OUTSIDE ESTABLISHED SERVICE AREAS) | _____ | _____ | _____ | _____ |

*MINIMUM CHARGES INCLUDE ____ FULL HOURS ON THE JOB.

**FRACTIONAL HOURS, AT THE END OF THE JOB, WILL BE PRORATED TO THE NEAREST QUARTER HOUR.

10. REPAIR PARTS/SPARE PARTS RATE PROVISIONS

All parts, furnished as spares or as repair parts in connection with the repair of equipment, unless otherwise indicated in this pricelist, shall be new, standard parts manufactured by the equipment

manufacturer. All parts shall be furnished at prices indicated in the Contractor's commercial pricelist dated Feb 1, 2008, at a discount of 20% from such listed prices.

11. GUARANTEE/WARRANTY—REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS

a. REPAIR SERVICE

All repair work will be guaranteed/warranted for a period of _____ ****insert commercial warranty****.

b. REPAIR PARTS/SPARE PARTS

All parts, furnished either as spares or repairs parts will be guaranteed/warranted for a period _____ ****insert commercial warranty****.

12. INVOICES AND PAYMENTS

a. Maintenance Service

(1) Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

(2) Payment for maintenance service of less than one month's duration shall be prorated at 1/30th of the monthly rate for each calendar day.

b. Repair Service and Repair Parts/Spare Parts

Invoices for repair service and parts shall be submitted by the Contractor as soon as possible after completion of work. Payment under blanket purchase agreements will be made quarterly or monthly, except where cash payment procedures are used. Invoices shall be submitted separately to each ordering activity office ordering services under the contract. The cost of repair parts shall be shown as a separate item on the invoice, and shall be priced in accordance with paragraph #10, above. PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

TERMS AND CONDITIONS APPLICABLE TO TERM SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-32), PERPETUAL SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-33) AND MAINTENANCE (SPECIAL ITEM NUMBER 132-34) OF GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY SOFTWARE

1. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. GUARANTEE/WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract. If no implied warranties are given, an express warranty of at least 60 days must be given in accordance with FAR 12.404(b)(2).
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

3. TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number 1-800-914-0303 for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from 9:00 to 5:00 EST. A hotline is available 24 hours per day, 7 days a week. Technical support will be available during the listed standard business hours.

4. SOFTWARE MAINTENANCE SOFTWARE MAINTENANCE

- a. Software maintenance as it is defined: (select software maintenance type) :

X 1. Software Maintenance as a Product (SIN 132-32 or SIN 132-33)

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that are included in the purchase price of the product in the commercial marketplace. No charge support includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered software maintenance as a service.

Software Maintenance as a product is billed at the time of purchase.

2. Software Maintenance as a Service (SIN 132-34)

Software maintenance as a service creates, designs, implements, and/or integrates customized changes to software that solve one or more problems and is not included with the price of the software. Software maintenance as a service includes person-to-person communications regardless of the medium used to communicate: telephone support, on-line technical support, customized support, and/or technical expertise which are charged commercially. Software maintenance as a service is billed in arrears in accordance with 31 U.S.C. 3324.

Software maintenance as a service is billed in arrears in accordance with 31 U.S.C. 3324.

- b. Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

5. PERIODS OF TERM LICENSES (132-32) AND MAINTENANCE (132-34)

- a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.
- b. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice to the Contractor.
- c. Annual Funding. When annually appropriated funds are cited on an order for maintenance, the period of the term licenses and/or maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the maintenance orders citing the new appropriation shall be required, if the maintenance is to be continued during any remainder of the contract period.
- d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if maintenance is to be terminated at that time. Orders for the continuation of maintenance will be required if the term licenses and/or maintenance is to be continued during the subsequent period.

6. CONVERSION FROM TERM LICENSE TO PERPETUAL LICENSE

- a. The ordering activity may convert term licenses to perpetual licenses for any or all software at any time following acceptance of software. At the request of the ordering activity the Contractor shall furnish,

within ten (10) calendar days, for each software product that is contemplated for conversion, the total amount of conversion credits which have accrued while the software was on a term license and the date of the last update or enhancement.

- b. Conversion credits which are provided shall, within the limits specified, continue to accrue from one contract period to the next, provided the software remains on a term license within the ordering activity.
- c. The term license for each software product shall be discontinued on the day immediately preceding the effective date of conversion from a term license to a perpetual license.
- d. The price the ordering activity shall pay will be the perpetual license price that prevailed at the time such software was initially ordered under a term license, or the perpetual license price prevailing at the time of conversion from a term license to a perpetual license, whichever is the less, minus an amount equal to _____% of all term license payments during the period that the software was under a term license within the ordering activity.

7. TERM LICENSE CESSATION

- a. After a software product has been on a continuous term license for a period of _____ * months, a fully paid-up, non-exclusive, perpetual license for the software product shall automatically accrue to the ordering activity. The period of continuous term license for automatic accrual of a fully paid-up perpetual license does not have to be achieved during a particular fiscal year; it is a written Contractor commitment which continues to be available for software that is initially ordered under this contract, until a fully paid-up perpetual license accrues to the ordering activity. However, should the term license of the software be discontinued before the specified period of the continuous term license has been satisfied, the perpetual license accrual shall be forfeited.
- b. The Contractor agrees to provide updates and maintenance service for the software after a perpetual license has accrued, at the prices and terms of Special Item Number 132-34, if the licensee elects to order such services. Title to the software shall remain with the Contractor.

8. UTILIZATION LIMITATIONS - (132-32, 132-33, AND 132-34)

- a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.
- b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:
 - (1) Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
 - (2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the

Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user ordering activity.

(3) Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.

(4) The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of disaster recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.

(5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

9. SOFTWARE CONVERSIONS - (132-32 AND 132-33)

Full monetary credit will be allowed to the ordering activity when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. Under a perpetual license (132-33), the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version. Under a term license (132-32), conversion credits which accrued while the earlier version was under a term license shall carry forward and remain available as conversion credits which may be applied towards the perpetual license price of the new version.

10. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

11. RIGHT-TO-COPY PRICING

The Contractor shall insert the discounted pricing for right-to-copy licenses.

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF TRAINING COURSES FOR
INFORMATION TECHNOLOGY EQUIPMENT AND SOFTWARE (SPECIAL ITEM NUMBERS 132-
50)**

1. Scope

- a. The Contractor shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
- b. The Contractor shall provide training at the Contractor's facility and/or at the ordering activity's location, as agreed to by the Contractor and the ordering activity.

2. Order

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under BPAs shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

IMPORTANT ORDERING INSTRUCTIONS:

The necessity for Order Modifications can be avoided through ensuring the following information is included on the order. If there are any questions, please contact Thales Customer Service at 1-800-914-0303.

- a. OCONUS training areas shall include Pacific and Western European locations that are not within an active combat zone or area of military conflict.
- b. All items ordered from this GSA Schedule Pricelist must specify BOTH Inspection and Acceptance as "DESTINATION."
- c. All orders should include a Point of Contact Name, Phone Number and/or Email Address to facilitate answering of questions related to meeting time-sensitive delivery requirements.

For credit card orders and BPAs, telephone orders are permissible.

3. TIME OF DELIVERY

The Contractor shall conduct training on the date (time, day, month, and year) agreed to by the Contractor and the ordering activity.

4. CANCELLATION AND RESCHEDULING

- a. The ordering activity will notify the Contractor at least seventy-two (72) hours before the scheduled training date, if a student will be unable to attend. The Contractor will then permit the ordering activity to

either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the ordering activity will modify its original training order to specify the time and date of the rescheduled training class.

- b. In the event the ordering activity fails to cancel or reschedule a training course within the time frame specified in paragraph a, above, the ordering activity will be liable for the contracted dollar amount of the training course. The Contractor agrees to permit the ordering activity to reschedule a student who fails to attend a training class within ninety (90) days from the original course date, at no additional charge.
- c. The ordering activity reserves the right to substitute one student for another up to the first day of class.
- d. In the event the Contractor is unable to conduct training on the date agreed to by the Contractor and the ordering activity, the Contractor must notify the ordering activity at least seventy-two (72) hours before the scheduled training date.

5. FOLLOW-UP SUPPORT

The Contractor agrees to provide each student with unlimited telephone support or online support for a period of one (1) year from the completion of the training course. During this period, the student may contact the Contractor's instructors for refresher assistance and answers to related course curriculum questions.

6. PRICE FOR TRAINING

The price that the ordering activity will be charged will be the ordering activity training price in effect at the time of order placement, or the ordering activity price in effect at the time the training course is conducted, whichever is less.

7. INVOICES AND PAYMENT

Invoices for training shall be submitted by the Contractor after ordering activity completion of the training course. Charges for training must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

8. FORMAT AND CONTENT OF TRAINING

- a. The Contractor shall provide written materials (i.e., manuals, handbooks, texts, etc.) normally provided with course offerings, printed and copied two-sided on paper containing 30% postconsumer materials (fiber). Such documentation will become the property of the student upon completion of the training class.
- b. ****If applicable**** For hands-on training courses, there must be a one-to-one assignment of IT equipment to students.
- c. The Contractor shall provide each student with a Certificate of Training at the completion of each training course.
- d. The Contractor shall provide the following information for each training course offered:
 - (1) The course title and a brief description of the course content, to include the course format (e.g., lecture, discussion, hands-on training);
 - (2) The length of the course;
 - (3) Mandatory and desirable prerequisites for student enrollment;
 - (4) The minimum and maximum number of students per class;
 - (5) The locations where the course is offered;

- (6) Class schedules; and
 - (7) Price (per student, per class (if applicable)).
- e. For those courses conducted at the ordering activity's location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g., per diem charges) are governed by Pub. L. 99-234 and FAR Part 31.205-46, and are reimbursable by the ordering activity on orders placed under the Multiple Award Schedule, as applicable, in effect on the date(s) the travel is performed. Contractors cannot use GSA city pair contracts. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- f. For Online Training Courses, a copy of all training material must be available for electronic download by the students.

9. "NO CHARGE" TRAINING

The Contractor shall describe any training provided with equipment and/or software provided under this contract, free of charge, in the space provided below.

EQUIPMENT DESCRIPTIONS AND PRICELISTS

AN/PRC-148 EQUIPMENT

The AN/PRC-148 MBITR and JTRS Enhanced MBITR (JEM) cover a contiguous 30 to 512 MHz broadband frequency spectrum in a small, lightweight, less than 33 ounces and 34 cubic inches, handheld radio package. It is a Controlled Cryptographic Item (CCI) as it contains US Type 1 encryption and has AM and FM modes for voice or data, as well as selectable RF Output Power, from 100 mW to 5 Watts. The Radio is immersible to either 2 meters, Urban configuration, or 20 meters, Maritime configuration. Electronic Counter-Counter Measures (ECCM) software features for frequency hopping, SINCGARS and HAVEQUICK II are available, as well as ANDVT, 5 KHz narrowband 2400 baud voice and data, and re-transmission. This radio provides unprecedented interoperability with existing commercial and military legacy radios. It is software based and supported by flash memory for easy upgradeability. The radio unit contains a keypad, display and internal speaker microphone.



RADIO SYSTEMS

PRC6809-ABR-BAS, Handheld Radio Maritime Clear Version -20 meter immersible, includes one each Rechargeable Lithium-Ion Battery, 30 to 90 MHz Antenna, 30 to 512 MHz Antenna, Holster, Accessory Bag, Audio/Keyfill Adapter, CD-ROM, Manual and Operator Card. Retransmission functionality is included, although no Electronic Counter-Counter Measures (ECCM), SINCGARS, HAVEQUICK or ANDVT functions can be provided.

PRC6809-BBR-BAS, Handheld Radio Urban Clear Version -2 meter immersible, includes one each Rechargeable Lithium-Ion Battery, 30 to 90 MHz Antenna, 30 to 512 MHz Antenna, Holster, Accessory Bag, CD-ROM, Manual and Operator Card. Retransmission functionality is included, although no Electronic Counter-Counter Measures (ECCM), SINCGARS, HAVEQUICK or ANDVT functions can be provided.

AN/PRC-154 RIFLEMAN RADIOS

PRC-7338-GSA, A/N-PRC-154A SAB Rifleman Radio System, Type 1 SAB intra-squad ad hoc networking radio running the Soldier Radio Waveform (SRW). Includes R/T unit, 1 Advanced Rechargeable Lithium-Ion Battery, 1 UHF/L-Band Multiband antenna. 1 Pouch, 1 Speaker Microphone, ITEM, User Manual and Quick Reference Guide. Includes 1 year standard warranty.

01-P3816R002, AN/PRC-154 Rifleman R/T Unit, Type 1 SAB intra-squad ad hoc networking radio running the Soldier Radio Waveform (SRW). Includes 1 year standard warranty.

1100754-501, AN/PRC-154 to AN/PRC-154A Upgrade, Upgrade of an AN/PRC-154 Type 2 Rifleman radio to a Secret and Below Type 1 AN/PRC-154A Rifleman Radio.

MA7144-SYS, Vehicle Integrated Power Enhanced Rifleman (VIPER) System, An SRW Applique Radio System, providing a 20W power amp in the UHF and L-Band and vehicle mount for the field proven AN/PRC-154A SAB Rifleman Radio. Includes an AN/PRC-154A Radio, Speakermic, and Advanced Rechargeable Battery.

1600831-2, Rifleman Vehicle Adapter, Vehicle Integrated Power Enhanced Rifleman is a vehicle adapter for the AN/PRC-154A Rifleman Radio. This kit includes the VIPER VA and RF jumper cable.

1100732-501, VIPER Vehicle Installation Kit (HMMWV), includes the necessary cabling and instructions for installing the VIPER into a HMMWV.

1100733-501, VIPER Vehicle Installation Kit (MRAP), includes the necessary cabling and instructions for installing the VIPER into a MRAP.

PC COMPATIBLE PROGRAMMING AND SOFTWARE

The following software upgrade options are available for an extra cost:

1700339-1, Retransmit Software, (MBITR) used with the Expedient Retransmit Kit; the retransmission function requires two radios be connected. Retransmission is not available in SINCGARS frequency hopping modes. Retransmission comes standard with the Clear MBITR Radio.

1700858-1, Retransmit Software, (JEM) used with the Expedient Retransmit Kit; the retransmission function requires two radios be connected. Retransmission is not available in SINCGARS frequency hopping modes.

1700339-2, SINCGARS Frequency Hopping Electronic Counter-Counter Measures (ECCM) (MBITR), frequency range of 30 to 88 MHz, Single Channel Ground and Airborne Radio System. This item may be purchased with 1700339-3 and 1700339-4 as a package option.

1700339-3, HAVEQUICK II Frequency Hopping Electronic Counter-Counter Measures (ECCM) (MBITR), frequency range of 225 to 400 MHz [HAVEQUICK is not an abbreviation]. This item may be purchased with 1700339-2 and 1700339-4 as a package option.

1700979-1, HAVEQUICK Frequency Hopping Electronic Counter-Counter Measures (ECCM), frequency range of 225 to 400 MHz [HAVEQUICK is not an abbreviation]. *This item applies only to HAVEQUICK sales sold internationally.*

1700339-4, ANDVT Upgrade Option (MBITR), Advanced Narrow-band Digital Voice Terminal, 5 kHz bandwidth. This item may be purchased with 1700339-2 and 1700339-3 as a package option.

1700339-2, -3, -4 SINCGARS, HAVEQUICK II and ANDVT Software Package (MBITR), Includes all 3 software upgrades as described above.

MA6941F, PC Programmer for MBITR, Cable provided to connect the encrypted version of the radio to a personal computer (PC) running Windows 98, Windows NT, Windows 2000 or Windows XP and the software on CD-ROM for programming handheld radio operating parameters directly from the PC.

MA6941L, PC Programmer for Clear MBITR, Cable provided to connect the clear version of the radio to a personal computer (PC) running Windows 98, Windows NT, Windows 2000 or Windows XP and the software on CD-ROM for programming handheld radio operating parameters directly from the PC.

MA6941N, PC Configuration Toolkit for JTRS Enhanced MBITR (JEM), Consisting of CD, Cable, USB Adapter and Manual.

1700339-5, Data Encryption Standard (DES) Function Clear MBITR, provides encrypted interoperability with other hand held radios that have analog DES, such as Motorola Saber and XTS.

1700858-6, Software Maintenance Upgrade Package (JEM), provides increased functionality and supportability includes the High Throughput Waveform (HTW) software option, an additional 5-year extended warranty, and 10-years of software maintenance support for improvements and enhancements.

1700858-7, P25 Upgrade Option

1700858-5, High Throughput Waveform (HTW) Software for JEM, 56kbps Continuous Phase Modulation (CPM) waveform to support cipher text data applications such as Viasat and Vmail.

1700339-8, FH2 Software for MBITR, SINCGARS with modified frequency hopping (FH2) algorithm.

1700858-8, FH2 Software for JEM, SINCGARS with modified frequency hopping (FH2) algorithm.

1700858-10, SATCOM Integrated Waveform (IW), AN/PRC-148 JEM software package which provides Integrated Waveform (IW) -- the next generation, high speed, MIL-STD-188-181C/182B/183B UHF Demand Assigned Multiple Access Satellite Communications waveform.

1100697-501, SATCOM Integrated Waveform (IW) with Hardware Upgrade, AN/PRC-148 JEM software package which provides Integrated Waveform (IW) -- the next generation, high speed, MIL-STD-188-181C/182B/183B UHF Demand Assigned Multiple Access Satellite Communications waveform. Includes hardware upgrade required for some legacy AN/PRC-148 configurations to support IW performance. Thales can determine applicability to fielded radios upon request.

1700858-12, Over the Air Cloning (OTAC) Software, Transfers channel assignments, frequencies and modes from one radio to another within 10ft proximity of each other.

1700858-9, Mixed Excitation Linear Predictive (MELP) Software, 2400bps vocoder, in accordance with STANAG 4591 / MIL-STD-13005. Used in ANDVT radio operating mode. Offers better audio quality than the LPC-10 vocoder.

BATTERIES, CHARGERS, AND POWER ADAPTERS

1600686-2, 5.8Ah Lithium-Ion Rechargeable Battery, will provide 50% additional mission duration. This new 5.8Ah capacity battery will provide 15+ hour run-time for the MBITR and 13+ hour run-time for the JEM with a duty cycle of 10% transmit at 5W, 10% receive and 80% stand-by, per TIA-603.

01-P53010R002, 5.8Ah Lithium-Ion Rechargeable Battery (Rifleman), 62 Watt-hour smart Lithium ion rechargeable battery for Rifleman.

1600811-1, Advanced Rifleman Radio Battery, 5.8Ah Advance Lithium-Ion Rechargeable Battery (Rifleman) with State of Charge, 62 Watt-hour smart Lithium ion rechargeable battery for Rifleman.

1600654-1, Single Slot Lithium-Ion Rechargeable Battery Charger, 100 to 250V AC power only, recommended for desktop use only.

1600652-1, Six Slot Lithium-Ion Rechargeable Battery Charger, 100 to 250V AC or 12 to 32V DC power, recommended for desktop use only.

1600653-1, Six Slot Lithium-Ion Rechargeable Battery Charger, 100 to 250V AC power only, recommended for desktop use only.

4101310-501, SPAI (Special Power Adapter Interface), used to interface to power sources in the Special Operations Power Supply (SOPS) Assembly to operate the radio and recharge the Lithium-Ion Rechargeable battery.

3500460-501, SPAI DC Input Cable, cable with connector for the SPAI and bare wires with in-line fuse, accepts 12-32V DC power to operate the MBITR radio and charge the Lithium-Ion rechargeable battery pack via the SPAI.

4101441-501, Battery Adapter, powers the radio from external DC power source, provides reverse polarity, as well as over voltage and over current protection for the radio; 4ft long cable with bare wires, accepts nominal 12V DC input voltage, 16.5V maximum. 30W maximum power with the radio transmitting at 5W.

82165, TNC Male to BNC Female adapter, used to connect the radio to a directional satellite communication antenna supplied with a BNC coaxial cable, for example, the Trivec Avant A V 2055-3, NSN = 5985-01-463-6558.

3600190-1, Keyfill Adapter, 10-pin to 6-pin adapter for the 20m Maritime radio, this allows the radio to be key-filled with a standard 6-pin connector key-fill device, such as the CYZ-10, KYK-13 and SKL. We do not recommend the operational use of the adapter for regular 6-pin connector audio accessories; the radio is vulnerable to damage if the 10-pin connector on the radio is snapped off. A radio with a damaged 10-pin connector will require an extensive repair.

1600604-3, Battery Box (Manportable)

1600700-2, Six Bay MBITR Charger AC Only, Six Bay Battery charger with an external AC/DC adapter and 12-32V wide input DC voltage.

1600700-3, Six Bay Rifleman/MBITR Charger, Six Bay Battery Combo charger for Rifleman (3 bay) and JEM (3 Bay) with an external AC/DC adapter and 12-32V wide input DC voltage.

1100700-501, MUBC, Modular Universal Battery Charger for dismounted and mounted applications for AN/PRC-148 (QTY 8), AN/PRC-152 (QTY 8) and AN/PRC-154 (QTY 8) with 10-33.6 V Power input and compliant to MIL-STD-810G. Kit includes DC Cable, MUBC with 3' DC cable for MUBC (NATO 38999 to Flying Leads)

3500871-501, MUBC Power Cable, 3' power input cable with NATO to straight leads.

1600788-3, A-320VI 20 Watt Amp & A-320PA DPA/LNA, Combination kit: 20 Watt Pocket Amplifier; 90-512 with Dual Port Adapter and LNA for UHF SATCOM; provides coverage 90-512; 10dB gain; Simultaneous connection of two separate antennas.

1600788-1, A-320VI 20 Watt Amp, 20 Watt Pocket Amplifier; 90-512 MHz, IW Capable, JITC Certified with AN/PRC-148.

1600788-2, A-320 DPA w/LNA, Dual Port Adapter with LNA for UHF SATCOM; provides 10dB gain; Simultaneous connection of two separate antennas.

85357, Lithium-ion UBI 2590

60-P5294R, Single Battery Charger (Rifleman), Single Bay Battery charger with an external AC/DC adapter and 12-32V wide input DC voltage.

60-P5295R, Six Bay Battery Charger (Rifleman), Six Bay Battery charger with an external AC/DC adapter and 12-32V wide input DC voltage.

3101156-502, JEMPJC retention battery, attaches in place of the main battery for long-term transit or storage requirements. Ensures the Private Joseki Key (PJC) is held in the JEM radio for a minimum of 1-year, versus the standard 60-days with a fully charged internal hold-up battery. This external battery trickle charges the HUB to ensure long-term PJC retention. Requires four (4) DL 123A cells.

1100727-503, expeditionary Modular Universal Battery Charger (eMUBC)-8-bay Dual Handheld and Manpack Battery (DC Only)

1100727-504, expeditionary Modular Universal Battery Charger (eMUBC)-8-bay Dual Handheld and Manpack Battery (AC/DC)

1100727-505, expeditionary Modular Universal Battery Charger (eMUBC)-Full Ground Soldier Expeditionary System (SOCOM)

1100727-506, Basic Ground Soldier MUBC

1100727-507, F expeditionary Modular Universal Battery Charger (eMUBC)-ull Ground Soldier Expeditionary System (Nett Warrior) Config 1 With Hardcover

1100727-507SC, expeditionary Modular Universal Battery Charger (eMUBC)-Full Ground Soldier Expeditionary System (Nett Warrior) Config 2 With Softcover

ANTENNAS

3100661-501, VHF Blade Antenna, 30 to 90 MHz, 39 inches long “whip”/metal tape antenna with flexible base section, -10dbi gain, typically used for SINCGARS operation.

3100662-501, Broadband Antenna, 90 to 512 MHz, 13.5 inches long “rubber ducky” antenna, -10dbi gain over the 90 to 120 MHz frequency range, -2dbi gain over the 120 to 300 MHz frequency range, -5dbi gain over the 300-512 MHz frequency range.

1100634-502, Single Antenna Kit with 12 ft mast, 30 to 512MHz 10ft long broadband antenna for mounting on 12ft mast with guying system, ground spike and 50ft antenna cable to connect to Base Station, or single antenna Tactical Repeater TRC6730A configuration.

1100634-503, Dual Antenna Kit with 12 ft mast, 30 to 512MHz 10ft long broadband antenna for mounting on 12ft mast with guying system, ground spike and 50ft antenna cable to connect to Base Station, or dual antenna Tactical Repeater TRC6730 configuration.

1100634-501, Single Antenna Kit with 30 ft mast, 30 to 512MHz 10ft long broadband antenna for mounting on 30ft mast with guying system, ground spike and 50ft antenna cable to connect to Base Station, or single antenna Tactical Repeater TRC6730A configuration.

1100634-504, Dual Antenna Kit with 30 ft mast, 30 to 512MHz 10ft long broadband antenna for mounting on 30ft mast with guying system, ground spike and 50ft antenna cable to connect to Base Station, or dual antenna Tactical Repeater TRC6730 configuration.

SS-1600293-1, VHF Antenna, 116 to 174 MHz, 12.8 inches long, -2 dbi gain, “rubber ducky” antenna.

SS-1600294-1, UHF Antenna, 400 to 512 MHz, 6.5 inches long, -2dbi gain, “rubber ducky” antenna.

1600638-1, 225 – 400 MHz Antenna for MBITR, a tactical band UHF 225-400 MHz antenna for MBITR. The antenna is 10 inch long, flexible, and has a TNC connector interface.

85184, Broadband Vehicular Antenna 30 – 512 MHz, Multiband multimission tactical vehicular antenna, 110 inches in length and capable of operating from 30-512 MHz. The antenna is designed to meet the MIL-STD-810 environmental characteristics and can handle 50W. Standard 4 bolt mounting pattern.

85320 Broadband Antenna, 90 to 512MHz, 40 inch long antenna, black color.

85347, Vehicle Mount Antenna, 90 – 512 MHz, 40 inches long, green color.

85348, Vehicle Mount Antenna, 90-512 MHz, 40 inches long, tan/sand color.

85373 Center Fed Broadband Antenna, 30 to 512MHz frequency range, 10ft long antenna, for use without a ground plane on 12ft [4m] or 30ft [10m] masts for the Base Station or Tactical Repeater, BNC male connector. Average gain between -5 and +2dBi.

85349, SINCGARS band, 30 to 90 MHz, 4 ft. Blade Antenna, 20 W rating.

85350, Broadband 20W antenna, supplied as part of the Man Portable System with special antenna connector to support the weight of the antenna when it is attached to the power amplifier; -2dBi between 108 and 512MHz. Adjustable base.

1600781-1, AV2055-3 Antenna, Lightweight (3lb), foldable, and high-gain UHF SATCOM antenna.

1600786-1, AV2125 Antenna, Lightweight (1lb), foldable, and highly portable UHF SATCOM antenna. Operated while hand-held or with tripod.

1600786-2, AV2125-2 Antenna, Lightweight (1lb), foldable, and highly portable UHF SATCOM antenna. Operated while hand-held, magnetically mounted or positioned over tripod.

1600721-1, Multiband Antenna (Rifleman), Gooseneck, 11”, Multi-band, for Rifleman Radio. Supports 225-450 MHz UHF band, 1250-1390MHz L-Band, and 1750-1850 MHz L-Band.

85707-001, Tri-Band Vehicular Antenna, 30-88 MHz, 225-450 MHz, 1250-2000MHz. 89 Inches Long with flexible base section. Fits standard 4 bolt vehicular antenna mount. CARC Tan Color.

1100753-501, VIPER HMMWV Antenna Kit, Includes Tri-Band vehicular antenna and 2 - 20' RF cables for connection from VIPER to Antenna.

1100753-502, VIPER MRAP Antenna Kit, Includes Tri-Band vehicular antenna and 2 - 30' RF cables for connection from VIPER to Antenna.

1100755-501, Body Conformal Antenna, wearable, body conformal antenna for handheld and bodyworn tactical radios.

AUDIO ACCESSORIES

1600551-2, Commercial Lightweight Urban Headset, lightweight headset with rigid headband. Headband can be removed to allow use of Helmet Clip or Head Strap. Large in-line Press-To-Talk switch.

1100641-501, Commercial Lightweight Urban Headset Kit, Includes P/Ns 1600551-2, 85267, 85268.

85267, Helmet Clip for 1600551-2 Headset

85268, Headstrap for 1600551-2 Headset

1600567-1, Tactical Urban Headset, single muff earpiece headset with boom mic, head strap and in-line PTT. The cable has a U-94A/U jack disconnect at the PTT switch.

1600503-5, Tactical Maritime Headset, waterproof, single muff earpiece headset with boom mic, head strap and in-line Press-To-Talk (PTT) switch; sealed 10-pin connector for connection to the radio.

1600469-4, Speaker Microphone, fits in the palm of the hand or attaches to web gear, has its' own Press-To-Talk (PTT) switch and volume control.

1100542-501, Earphone Kit for Speaker Microphone, plugs into the ear, connects to the Speaker Microphone and "mutes" its' speaker.

4600049-501, Maritime Speaker Microphone, fits in palm of the hand or attaches to web gear, has its' own PTT switch, with earphone jack and seal. To be placed in a suitable waterproof bag when diving to 20m.

1600599-1, Tactical Speaker, ruggedized speaker, 4.7 x 4.7 x 3.5 inches, used to hear communications when using the VA. The speaker is driven from the 5W audio amplifier in the VA; the speaker has its own audio level control and an on/off switch. The speaker is supplied with an adjustable mounting bracket.

ADAPTERS, CABLES AND CONNECTORS

3600190-1, Audio/Keyfill Adapter, 10-pin to 6-pin adapter for the 20m Maritime radio to allow the use of non-maritime audio accessories and to accomplish secure data fill.

4101441-504, Battery Adapter, for use with Battery Box.

3500395-501, Cloning Cable for MBITR, connects two radios together via their side connectors to transfer mode and frequency settings from one radio to another.

3500610-501, Cloning Cable for JTRS Enhanced MBITR (JEM), connects two radios together via their side connectors to transfer mode and frequency settings from one radio to another.

1100540-501, Expedient Retransmit Kit, requires two radios, the kit comprises a set of cables and four co-axial low-pass and high-pass VHF and UHF filters for the receive and transmit radios for use with the retransmit upgrade feature.

3500466-501, PDC Cable for ViaSat VDC400/VDC600, radio side connector to multi-way PC Card connector for the ViaSat PC Card.

3500562-501, Adapter Cable, Data, for SINCGARS clock synchronization for packet data transmissions.

1600623-1, Parallel Battery Cable, Manportable, designed to provide power between the 1600604-3 battery box and KMW1030M11 Kalmus amplifier.

1600623-3, VA Speaker Cable – 6 ft.

1600623-4, VA Speaker Cable – 10 ft.

3500565-501, VA to VA Retransmission Cable, 10ft long cable to connect the rear multi-function connector of two VAs together for retransmission.

3500565-502, VA to VA Retransmission Cable, 2ft long cable to connect the rear multi-function connector of two VAs together for retransmission when the VAs are on the VAA tray.

3500458-501, KVL Keyfill Cable, a 2ft long cable connecting the radio side connector to the KVL 3000 Crypto Key Loader; used with Clear MBITR and Type 1 MBITR if analog Type 3 DES is enabled.

3500469-501, JEM only GPS, PDC & USB Y-Cable.

3500612-501, GPS (for PLGR or DAGR) Cable, VA rear connector.

3500566-501, VA DC power input cable, 12ft long cable with connector for the VA and bare wires, accepts 12 to 32V DC input voltage, 240W maximum.

3500613-501, VA flash download cable, VA rear connector, 4ft long cable connecting the VA rear multi-function connector to a 9-pin D-connector to a PC's serial port.

3500616-501, PDC Cable, VA Front Connector, 6 ft. long cable connecting the VA front 6-pin data connector to a multi-way 25-pin PC Card connector for the ViaSat 400 or 600 PC Card.

3500711-501, VA antenna cable, 50ft long, type N male connector at the VA end to BNC male for the antenna, low loss, high quality coax; snap ring provided at antenna end to secure the cable.

3500711-502, VA antenna cable, 21ft long, type N male connector at the VA end to BNC male for the antenna, low loss, high quality coax; snap ring provided at antenna end to secure the cable.

3500711-503, VA antenna cable, 100ft long, type N male connector at the VA end to BNC male for the antenna, low loss, high quality coax; snap ring provided at antenna end to secure the cable.

3600215-2, Remote Control Head to VA Cable, 35 ft.

4600105-2, Serial Data Cable, VA rear connector.

85342, VA Antenna Cable, VA N Male to Antenna BNC Male, 20 ft. long.

1600623-2, Cable Assembly

85343, Antenna Cable, 12 inches long.

3500733-501, Replacement Cable for RCU.

1600761-1, USB Cable (Rifleman), Ruggedized USB cable for Rifleman connects radio side connector to computing devices with a Type-A USB plug. Cable is 5 feet long.

1600761-3, Universal Cable (Rifleman), Ruggedized "Universal" cable for Rifleman may be used for custom interfaces from radio side connector to many other devices. Cable is 3 feet long and terminates with a 14-pin Circular Amphenol Connector #SCE-B-01K07-14PN.

1100592-501, Cable Side Connector to USB, Special JEM side connector with 6ft long USB to USB cable to connect to a PC running the PC Configuration Toolkit program. Part of the MA6941N PC Configuration Toolkit.

70884-001, Strain Relief Cable Clamp, Shell Size 14, Olive Drab.

610528-001, DC/DC Converter Output Connector, MIL-C-26482 SER II 14 Shell 4 PIN.

3500632-501, DC Input Power Cable, External DC Input Cable for Base Station, GRC6781A, 12 ft length.

1600765-1, DC/DC Converter, 12-28V, DC-DC Converter for the 50W Base Station, GRC6781A.

3500916-501, VIPER Power Cable, Power cable from VIPER Rifleman VA to Flying leads for Vehicle use.

1600831-3, VIPER RF Jumper Cable, TNC to TNC jumper cable to connect AN/PRC-154A to VIPER VA.

1600761-7, AN/PRC-154A USB Micro-B Cable, USB cable connects AN/PRC-154A radio from side-connector to USB Micro-B connector for use with mobile handheld devices.

1600761-6, AN/PRC-154 A USB Mini-A Cable, USB cable to connect AN/PRC-154A to Simple Key Loader for preset loading.

1600713-3, Retransmission Cable – 10' Long

1600713-5, PLGR/DAGR GPS Cable

1600713-6, Data Mode Cable

1600713-11, JEMUSB Cable

1600713-19, SCM Cable

3500618-501, RCU Cable

3500611-504, Retransmission Cable – 50' Long

3500850-501, Retransmission Cable – 16' Long

CASES AND HOLSTERS

1600494-1, Holster, with two Alice Clips and a belt loop.

1600495-1, Accessory Bag/Carrying Case, with four Alice Clips and two belt loops, has compartments for two spare batteries, audio accessory and unused antenna, as well as a compartment for the radio with its' battery.

1600609-1, Carrying Bag.

4101875-501, Replacement Holster for RCU.

1600775-1, Rifleman Pouch.

VEHICLE ADAPTERS

MA6943, Vehicle Adapter, AN/PRC-148 plugs into the Vehicle Adapter (VA) providing a “jerk and run” capability when the AN/PRC-148 is required as a handheld radio. 12 to 32 VDC power input, 20W or 5W RF power output. Integrated harmonic filters and tunable co-site filters are included. Removable Control Head (RCH) with cord connected to the VA, 6-pin Hirose connector provided for audio accessories; the RCH replicates the display, keyboard and other controls of the AN/PRC-148 that are not accessible with the radio inserted into the VA. Two 6-pin connectors provided on the front of the VA unit, one for the range of existing AN/PRC-148 audio accessories and the other as a data interface.

MA6943-SYS, Vehicle Adapter System, Vehicle Adapter unit with a shock mount tray, 30-512 MHz broadband vehicle mount antenna and external loudspeaker with associated cables.

4600109-1, VA Shock Mount.

MA7135, Low Profile Vehicle Adapter, AN/PRC-148 radios plug into the Low Profile Vehicle Adapter (LPVA) providing a cableless “jerk and run” capability when the AN/PRC-148 is required for dismounted operations. 20 to 32 VDC power input, 50 W RF power output 30-88 MHz and 20W RF power output 89-512 MHz. Remote Control Head (RCH) allows for remote control using optional RCH cable. The RCH replicates the display,

keyboard and other controls of the AN/PRC-148 for ease of operation. 50 W 30-512 MHZ multiband vehicular antenna and vehicle installation kit included.

MA7135A, Low Profile Vehicle Adapter (without antenna), AN/PRC-148 radios plug into the Low Profile Vehicle Adapter (LPVA) providing a cableless “jerk and run” capability when the AN/PRC-148 is required for dismounted operations. 20 to 32 VDC power input, 50 W RF power output 30-88 MHz and 20W RF power output 89-512 MHz. Remote Control Head (RCH) allows for remote control using optional RCH cable. The RCH replicates the display, keyboard and other controls of the AN/PRC-148 for ease of operation.

MA7138, Cradle Vehicle Adaptor, AN/PRC-148 radios insert into mountable cradle, enabling the RF amplifier to be remotely mounted in space constrained vehicle installations. The Cradle Vehicle Adapter (CVA) provides a cableless “jerk and run” capability when the AN/PRC-148 is required for dismounted operations. 20 to 32 VDC power input, 50 W RF power output 30-88 MHz and 20W RF power output 89-512 MHz. 50 W 30-512 MHZ multiband vehicular antenna and vehicle installation kit included.

1100677-501, VA/VAA Upgrade Kit, can be installed by the user and once upgraded the VA will provide 50Watts of RF power amplification from 30-88 MHz and 20 Watts of RF power amplification from 88-512 MHz. The following items can be upgraded: (p/n 4101524-501) used in the MA 7036 (VAA), MA 6943 (VA), and GRC6781 (Base Station).

BASESTATION

GRC6781, Base Station, 20W Vehicle Adapter with Power Supply Unit, 100 to 250V AC power input, 200VA maximum, 12 to 32V DC 200W maximum. Used with an external antenna. Supplied with PN 1600599-1 Tactical Speaker with PN 1600623-4 10 ft long Speaker Cable, as well as PN 1600469-4 Speaker Microphone, packaged in a ruggedized suitcase. An AN/PRC-148 radio is not included.

GRC6781A, 50W Base Station, 50W Vehicle Adapter with Power Supply Unit, 100 to 250V AC power input, 200VA maximum, 12 to 32V DC 200W maximum. Used with an external antenna. Supplied with PN 1600599-1 Tactical Speaker with PN 1600623-4 10 ft long Speaker Cable, as well as PN 1600469-4 Speaker Microphone, packaged in a ruggedized suitcase. An AN/PRC-148 radio is not included.

TACTICAL REPEATER

TRC6730, Tactical Repeater, Dual Antenna Capable, ruggedized suitcase configuration comprising two Vehicle Adapters with internal batteries and charging arrangements, 12 to 32V DC power input, 350W maximum, or 100 to 250V AC power, 400VA maximum. This configuration requires two external antennae and masts, 20W RF output. Can be used with two Clear MBITRs (PRC6809) for non-CCI, crypto transparent, voice and data operation over the complete 30 to 512MHz frequency range. AN/PRC-148 radios are not included as standard.

MANPORTABLE SYSTEM

MA7035, Manportable System, 20W RF power amplifier in a bag with two Battery Boxes for BA-2590 rechargeable batteries, or BA-5590 non-rechargeable batteries. RF power amplifier and co-site filters are tuned by sensing the AN/PRC-148 frequency. Cable assemblies connect an AN/PRC-148 and the batteries. Supplied with a 20W capable broadband antenna and a 20W capable blade antenna that connect directly to the power amplifier; a threaded locking ring provides mechanical support for the antenna. When used with a directional antenna can be used for satellite communications. An AN/PRC-148 radio is not included.

SPAREPARTS & REPAIR

1100588-501, Low Profile Volume Knob Kit, 50 each low profile volume knobs, 50 set screws, thread locking compound, and hex wrench. This is a replacement knob option for the longer AN/PRC-148 volume knobs.

1100590-501, Spares Ready Kit, five each of the low profile volume knob, channel knob, dust cap for the audio/keyfill connector, battery O-ring seal and stainless steel antenna cap, 15 each of the plastic battery cap, 10 each of the set screw with thread locking compound, one hex wrench and an instruction sheet.

1100606-501, Intermediate Spares Kit, for Urban and Maritime Radios. Includes TNC Dust caps, Volume knobs, channel knobs, set screws, hex driver, connector dust caps, battery covers. Each kit supports 50 radios.

PRODUCT UPGRADE SUPPORT

Product Upgrade Support, Facilitate the upgrade of equipment required to add enhanced performance, product functionality, operational readiness, and/or return to service testing. This includes firmware upgrades, preventative maintenance, special operational mode testing, and/or other specific tasks to prepare equipment for use by operational forces.

AN/PRC-148 RADIO EXTENDED WARRANTY OPTION

Maintenance Concept

Failed radio units are shipped to Thales' Customer Service Department (CSD) for diagnosis and repair. Repairs are limited to the Unit Assembly 2M (Urban Radio Brick), Thales Part Number 4101195-501 and the Unit Assembly 20M (Maritime Radio Brick), Thales Part Number 4101104-501. All other items, including batteries, SPAI's, and battery chargers are not eligible for extended warranty.

Tracking of repairs is managed through Thales' Customer Care Center. Customers establish an instant user account and have access to (1) determine if equipment is still under warranty (Warranty Status Lookup) and (2) initiate, manage, and track the process of returning equipment for repair using an online Return Material Authorization (RMA) System.

Questions or comments about the Customer Care Center can be directed to 1-800-914-0303, or emailed to customer.service@thalescommnc.com.

Duration of Extended Coverage

Extended warranty coverage will commence following the expiration of the standard warranty included in the purchase of the radio unit provided there has been no break in coverage.

Cost

Warranty costs do not include repair or replacement of units that are deemed “Beyond Economical Repair (BER)”, defined as repair costs greater than 65% of the replacement price of the radio. Reasons for non-repair may include, but not be limited to, abuse of the unit, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts.

VEHICLE ADAPTER AMPLIFIER (VAA) FIVE (5) YEAR EXTENDED WARRANTY OPTIONSMaintenance Concept

Failed VAA units are shipped to Thales’ Customer Service Department (CSD) for diagnosis and repair. Repairs are limited to the Vehicle Adapter Unit Assembly, Thales Part Number 4101524-501, Unit Assembly 2M (Urban Radio Brick), Thales Part Number 4101195-501 and the VAA Tray Unit Assembly, Thales Part Number 4101740-501. All other items, including batteries, antennas, external cables, SPAI’s, and battery chargers are not eligible for the total duration of the warranty.

Tracking of repairs is managed through Thales’ Customer Care Center. Customers establish an instant user account and have access to (1) determine if equipment is still under warranty (Warranty Status Lookup) and (2) initiate, manage, and track the process of returning equipment for repair using an online Return Material Authorization (RMA) System.

Questions or comments about the Customer Care Center can be directed to 1-800-914-0303, or emailed to customer.service@thalescomminc.com.

Duration of Coverage

Extended warranty will commence following the expiration of the standard warranty included in the purchase of the radio unit provided there has been no break in coverage.

Cost

Warranty costs do not include repair or replacement of units that are deemed “Beyond Economical Repair (BER)”, defined as repair costs greater than 65% of the replacement price of the VAA. Reasons for non-repair may include, but not be limited to, abuse of the unit, customer-induced failures, operation beyond specification limitations, and unauthorized repair attempts.

AN/PRC – 148/154 GSA PRICE LIST

PRC-148 RADIO SYSTEMS

| SIN | PART NO. | DESCRIPTION | PER UNIT PRICE |
|-------|-----------------|--|----------------|
| 132-8 | PRC6809-ABR-BAS | MBITR Handheld Radio – Maritime (20 Meter) <i>Clear</i> System | \$5,160 |
| 132-8 | PRC6809-BBR-BAS | MBITR Handheld Radio – Urban (2 Meter) <i>Clear</i> System | \$4,775 |

PRC-154 RIFLEMAN RADIO

| | | | |
|-------|---------------|---|----------|
| 132-8 | PRC7338-GSA | A/N-PRC-154A SAB Rifleman Radio System | \$5,400 |
| 132-8 | 01-P53816R002 | AN/PRC-154 Rifleman R/T Unit | \$4,865 |
| 132-8 | 1100754-501 | AN/PRC-154 to AN/PRC-154A Upgrade | \$4,390 |
| 132-8 | MA 7144-SYS | Vehicle Integrated Power Enhanced Rifleman (VIPER) System | \$24,370 |
| 132-8 | 1600831-2 | Rifleman Vehicle Adapter | \$32,365 |
| 132-8 | 1100732-501 | VIPER Vehicle Installation Kit (HMMWV) | \$598 |
| 132-8 | 1100733-501 | VIPER Vehicle Installation Kit (MRAP) | \$598 |

PC COMPATIBLE PROGRAMMING AND SOFTWARE

| | | | |
|--------|-----------------|---|---------|
| 132-33 | 1700339-1 | Retransmit Upgrade Option (MBITR) | \$249 |
| 132-33 | 1700858-1 | Retransmit Software for JEM | \$249 |
| 132-33 | 1700339-2 | SINCGARS Frequency Hopping Upgrade Option (if purchased separately) | \$490 |
| 132-33 | 1700339-3 | HAVEQUICK II Frequency Hopping Upgrade Option (if purchased separately) | \$490 |
| 132-33 | 1700979-1 | HAVEQUICK II Frequency Hopping Upgrade (International Sales only) | \$3,374 |
| 132-33 | 1700339-4 | ANDVT Upgrade Option (if purchased separately) | \$490 |
| 132-33 | 1700339-2,-3,-4 | SINCGARS, HAVEQUICK II, ANDVT Upgrade Option Package | \$1,197 |
| 132-33 | MA6941F | PC Programmer for Encrypted Radios | \$474 |
| 132-33 | MA6941L | PC Programmer for <i>Clear</i> Radios | \$474 |
| 132-33 | MA6941N | PC Configuration Toolkit for JEM Radios | \$474 |
| 132-33 | 1700339-5 | DES Function Clear MBITR | \$200 |
| 132-33 | 1700858-6 | Software Maintenance Upgrade Option | \$1,500 |

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|--------|-------------|---|---------|
| 132-33 | 1700858-7 | P-25 Upgrade Option | \$500 |
| 132-33 | 1700858-5 | HTW Software for JEM | \$300 |
| 132-33 | 1700339-8 | FH2 Software for MBITR | \$500 |
| 132-33 | 1700858-8 | FH2 Software for JEM | \$500 |
| 132-33 | 1700858-10 | SATCOM Integrated Waveform (IW) | \$2,250 |
| 132-33 | 1100697-501 | SATCOM Integrated Waveform (IW) with Hardware Upgrade | \$2,850 |
| 132-33 | 1700858-12 | Over the Air Cloning (OTAC) Software | \$125 |
| 132-33 | 1700858-9 | Mixed Excitation Linear Predictive (MELP) Software | \$75 |

BATTERIES, CHARGERS, AND POWER ADAPTERS

| | | | |
|--------|---------------|---|----------|
| 132-12 | 1600686-2 | 5.8Ah Lithium-Ion Rechargeable Battery | \$249 |
| 132-12 | 1600654-1 | Single Li-Ion Battery Charger | \$240 |
| 132-12 | 01-P53010R002 | 5.8Ah Lithium-Ion Rechargeable Battery (Rifleman) | \$209 |
| 132-12 | 1600811-1 | 5.8Ah Advanced Lithium-Ion Rechargeable Battery (Rifleman) with State of Charge | \$209 |
| 132-12 | 1600652-1 | Six-slot AC/DC Li-Ion Battery Charger | \$1,725 |
| 132-12 | 1600653-1 | Six-slot AC Only Li-Ion Battery Charger | \$1,326 |
| 132-12 | 4101310-501 | Special Power Adapter Interface (SPAI) Unit | \$585 |
| 132-12 | 3500460-501 | SPAI DC Power Cable | \$125 |
| 132-12 | 4101441-501 | Battery Adapter | \$195 |
| 132-12 | 82165 | TNC Male to BNC Female Adapter | \$24 |
| 132-12 | 3600190-1 | JEM & MBITR Keyfill Adapter | \$411 |
| 132-12 | 1600604-3 | Battery Box | \$650 |
| 132-12 | 1600700-2 | MBITR Charger AC Only | \$1,200 |
| 132-12 | 1600700-3 | Rifleman/MBITR Charger | \$1,799 |
| 132-12 | 1100700-501 | MUBC w/ DC Cable | \$3,230 |
| 132-12 | 1100700-503 | MUBC with DC Power Cable, Tactical Cover and 300W AC/DC Power Supply | \$4,510 |
| 132-12 | 3500871-501 | MUBC DC Power Cable | \$285 |
| 132-12 | 1600788-3 | A 320VI 20 Watt Amp & A-320PA DPA | \$12,664 |
| 132-12 | 1600788-1 | A-320VI 20 Watt Amp | \$9,865 |
| 132-12 | 1600788-2 | A-320 DPA w/LNA | \$2,798 |
| 132-12 | 85357 | Lithium-ion UBI 2590 | \$650 |
| 132-12 | 60-P5294R002 | Single Battery Charger (Rifleman) | \$350 |
| 132-12 | 60-P5295R002 | Six Bay Battery Charger (Rifleman) | \$1100 |
| 132-12 | 3101156-502 | PJC Retention battery w/o cells | \$72 |
| 132-12 | 1100727-503 | expeditionary Modular Universal Battery | \$4,207 |

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|--------|---------------|--|---------|
| | | Charger (eMUBC)-8-bay Dual Handheld and Manpack Battery (DC Only) | |
| 132-12 | 1100727-504 | expeditionary Modular Universal Battery Charger (eMUBC)-8-bay Dual Handheld and Manpack Battery (AC/DC) | \$4,695 |
| 132-12 | 1100727-505 | expeditionary Modular Universal Battery Charger (eMUBC)-Full Ground Soldier Expeditionary System (SOCOM) | \$6,416 |
| 132-12 | 1100727-506 | Basic Ground Soldier | \$4,437 |
| 132-12 | 1100727-507 | F expeditionary Modular Universal Battery Charger (eMUBC)-ull Ground Soldier Expeditionary System (Nett Warrior) Config 1 With Hardcover | \$6,746 |
| 132-12 | 1100727-507SC | expeditionary Modular Universal Battery Charger (eMUBC)-Full Ground Soldier Expeditionary System (Nett Warrior) Config 2 With Softcover | \$6,242 |

NOTE: Battery Chargers – Thales reserves the right to offer alternate battery charger part numbers in lieu of battery charger part numbers listed. Alternate parts shall be form, fit, and function compatible.

ANTENNAS

| | | | |
|-------|--------------|--|---------|
| 132-8 | 1600629-1 | Antenna, 30-90 MHz, 1M Blade | \$164 |
| 132-8 | 1600500-3 | Broadband Antenna, 90-512 MHz | \$160 |
| 132-8 | 1100634-502 | Single Antenna Kit with 12 ft Mast | \$6,123 |
| 132-8 | 1100634-503 | Dual Antenna Kit with 12 ft Mast | \$8,333 |
| 132-8 | 1100634-501 | Single Antenna Kit with 30 ft Mast | \$6,859 |
| 132-8 | 1100634-504 | Dual Antenna Kit with 30 ft Mast | \$9,069 |
| 132-8 | SS-1600293-1 | Antenna (VHF), 116-174 MHz | \$75 |
| 132-8 | SS-1600294-1 | Antenna (UHF), 400-512 MHz | \$33 |
| 132-8 | 1600638-1 | 225-400 MHz Antenna for MBITR | \$131 |
| 132-8 | 85184 | Broadband Vehicular Antenna 30-512 MHz | \$1,320 |
| 132-8 | 85320 | Vehicle Mount Antenna, 90-512 MHz, 40 inches long, black color | \$3,968 |
| 132-8 | 85347 | Vehicle Mount Antenna, 90-512 MHz, 40 inches long, green color | \$3,610 |
| 132-8 | 85348 | Vehicle Mount Antenna, 90-512 MHz, 40 inches long, tan/sand color | \$3,968 |
| 132-8 | 85373 | Base Station & Tactical Repeater Antenna, 10 ft. long, 30 -512 MHz | \$1,549 |
| 132-8 | 85349 | SINCGARS band, 30 to 90 MHz, 4 ft. Blade Antenna, 20 W rating. | \$375 |

| | | | |
|-------|-------------|--|---------|
| 132-8 | 85350 | Broadband Antenna, 90 to 512 MHz, 20W rating | \$425 |
| 132-8 | 1600781-1 | AV2055-3 Antenna | \$3,499 |
| 132-8 | 1600786-1 | AV2125 Antenna | \$2,700 |
| 132-8 | 1600786-2 | AV2125-2 Antenna | \$2,817 |
| 132-8 | 1600721-1 | Multiband Antenna (Rifleman) | \$181 |
| 132-8 | 85707-001 | Tri-Band Vehicular Antenna | \$2,680 |
| 132-8 | 1100753-501 | VIPER HMMWV Antenna Kit | \$2,873 |
| 132-8 | 1100753-502 | VIPER MRAP Antenna Kit | \$2,932 |
| 132-8 | 1100755-501 | Body Conformal Antenna | \$995 |

AUDIO ACCESSORIES

| | | | |
|-------|-------------|---|---------|
| 132-8 | 1600551-2 | Commercial Lightweight Urban Headset | \$295 |
| 132-8 | 1100641-501 | Commercial Lightweight Urban Headset Kit (P/Ns 1600551-2, 85267, 85268) | \$338 |
| 132-8 | 85267 | Helmet Clip for Commercial Lightweight Urban Headset (P/N 1600551-2) | \$10 |
| 132-8 | 85268 | Head Strap for Commercial Lightweight Urban Headset (P/N 1600551-2) | \$15 |
| 132-8 | 1600567-1 | Tactical Urban Headset | \$550 |
| 132-8 | 1600503-5 | Tactical Maritime Headset | \$1,225 |
| 132-8 | 1600469-4 | Speaker Microphone | \$170 |
| 132-8 | 1100542-501 | Earphone Kit for Palm Speaker Microphone | \$29 |
| 132-8 | 4600049-501 | Maritime Speaker Microphone | \$594 |
| 132-8 | 1600599-1 | Tactical External Speaker | \$940 |

ADAPTERS, CABLES AND CONNECTORS

| | | | |
|--------|-------------|---|---------|
| 132-8 | 3600190-1 | Audio/Keyfill Adapter | \$375 |
| 132-12 | 4101441-504 | Battery Adapter for use with Battery Box | \$225 |
| 132-8 | 3500395-501 | Cloning Cable for MBITR | \$175 |
| 132-8 | 3500610-501 | Cloning Cable for JEM | \$195 |
| 132-8 | 1100540-501 | Expedient Retransmit Kit | \$2,394 |
| 132-8 | 3500466-501 | PDC Cable (for ViaSat VDC-400/VDC600) | \$225 |
| 132-12 | 3500562-501 | Adapter Cable, Data (SINCGARS) | \$175 |
| 132-12 | 1600623-1 | Parallel Battery Cable – Manportable | \$351 |
| 132-8 | 1600623-3 | VA Speaker Cable – 6 ft. | \$365 |
| 132-8 | 1600623-4 | VA Speaker Cable – 10 ft. | \$403 |
| 132-8 | 3500565-501 | Retransmission Cable, 10 ft. long, VA rear connector to VA rear connector | \$330 |

| | | | |
|-------|-------------|--|---------|
| 132-8 | 3500565-502 | Retransmission Cable, 2 ft. long, VA rear connector to VA rear connector | \$255 |
| 132-8 | 3500458-501 | MBITR KVL Crypto Loader Cable | \$665 |
| 132-8 | 3500469-501 | JEM only GPS, PDC & USB Y-Cable | \$315 |
| 132-8 | 3500612-501 | GPS (for PLGR or DAGR) Cable, VA rear connector | \$336 |
| 132-8 | 3500566-501 | VA DC Input Cable | \$195 |
| 132-8 | 3500613-501 | VA Flash Download, VA rear connector | \$173 |
| 132-8 | 3500616-501 | PDC Cable VDC400 or VDC600, VA Front Connector | \$199 |
| 132-8 | 3500711-501 | Antenna Cable for Base Station or Tactical Repeater, VA N Male to Antenna BNC Male, 50 ft. long | \$625 |
| 132-8 | 3500711-502 | Antenna Cable for Base Station or Tactical Repeater, VA N Male to Antenna BNC Male, 21 ft. long | \$500 |
| 132-8 | 3500711-503 | Antenna Cable for Base Station or Tactical Repeater, VA N Male to Antenna BNC Male, 100 ft. long | \$725 |
| 132-8 | 3600215-2 | Remote Control Head to VA Cable, 35 ft. | \$527 |
| 132-8 | 4600105-2 | Serial Data Cable, VA rear connector | \$604 |
| 132-8 | 85342 | VA Antenna Cable, VA N Male to Antenna BNC Male, 20 ft. long | \$120 |
| 132-8 | 1600623-2 | Cable Assembly | \$395 |
| 132-8 | 85343 | Antenna Cable, 12 inches long | \$49 |
| 132-8 | 3500733-501 | Replacement Cable for RCU | \$440 |
| 132-8 | 1600761-1 | USB Cable, Ruggedized (Rifleman) | \$174 |
| 132-8 | 1600761-3 | Universal Cable, Ruggedized (Rifleman) | \$349 |
| 132-8 | 1100592-501 | Cable, side connector to USB | \$92 |
| 132-8 | 70884-001 | Strain Relief Cable Clamp | \$16 |
| 132-8 | 610528-001 | DC/DC Converter Output Connector | \$58 |
| 132-8 | 3500632-501 | DC Input Power Cable | \$301 |
| 132-8 | 1600765-1 | DC/DC Converter, 12-28V | \$3,860 |
| 132-8 | 3500916-501 | VIPER Power Cable | \$174 |
| 132-8 | 1600831-3 | VIPER RF Jumper Cable | \$38 |
| 132-8 | 1600761-7 | AN/PRC-154A USB Micro-B cable | \$317 |
| 132-8 | 1600761-6 | AN/PRC-154A USB Mini-A Cable | \$235 |
| 132-8 | 1600713-3 | Retransmission Cable-10' Long | \$345 |
| 132-8 | 1600713-5 | PLGR/DAGR GPS Cable | \$256 |
| 132-8 | 1600713-6 | Data Mode Cable | \$270 |
| 132-8 | 1600713-11 | JEM USB Cable | \$187 |
| 132-8 | 1600713-19 | SCM Cable | \$256 |
| 132-8 | 3500618-501 | RCU Cable | \$515 |
| 132-8 | 3500611-504 | Retransmission Cable-50' Long | \$635 |

| | | | |
|-------|-------------|-------------------------------|-------|
| 132-8 | 3500850-501 | Retransmission Cable-16' Long | \$434 |
|-------|-------------|-------------------------------|-------|

CASES AND HOLSTERS

| | | | |
|-------|-------------|-----------------------------|-------|
| 132-8 | 1600494-1 | Holster | \$26 |
| 132-8 | 1600495-1 | Accessory Bag/Carrying Case | \$41 |
| 132-8 | 1600609-1 | Carrying Bag | \$225 |
| 132-8 | 4101875-501 | Replacement Holster for RCU | \$24 |
| 132-8 | 1600775-1 | Rifleman Pouch | \$32 |

VEHICLE ADAPTERS

| | | | |
|-------|-------------|---|----------|
| 132-8 | MA6943 | Vehicle Adapter | \$9,495 |
| 132-8 | MA6943-SYS | Vehicle Adapter System | \$14,000 |
| 132-8 | 4600109-1 | VA Shock Mount | \$854 |
| 132-8 | MA7135 | Low Profile Vehicle Adapter | \$8,000 |
| 132-8 | MA7135A | Low Profile Vehicle Adapter (w/out antenna) | \$6,590 |
| 132-8 | MA7138 | Cradle Vehicle Adapter | \$7,500 |
| 132-8 | 1100677-501 | 20W to 50W Upgrade Kit | \$3,799 |

BASESTATION, TACTICAL REPEATER AND MANPORTABLE SYSTEM

| | | | |
|-------|----------|---|----------|
| 132-8 | GRC6781 | Base Station, 20W | \$13,889 |
| 132-8 | GRC6781A | Base Station, 50W | \$20,882 |
| 132-8 | TRC6730 | Tactical Repeater, Dual Antenna Capable | \$31,474 |
| 132-8 | MA7035 | Manportable System | \$15,825 |

SPAREPARTS

| | | | |
|--------|-------------|--|---------|
| 132-12 | 1100588-501 | Low Profile Volume Knob Kit | \$277 |
| 132-12 | 1100590-501 | Spares Ready Kit | \$236 |
| 132-12 | 1100606-501 | Intermediate Spares Kit for Urban and Maritime Radio | \$1,175 |

EXTENDED WARRANTY OPTIONS

| | | | |
|--------|--------------------|--|------|
| 132-12 | PRC6999-BBS-HTB-EW | JEM Urban Radio – 1 Year Extended Warranty (Customers may order up to 5 years) | \$95 |
|--------|--------------------|--|------|

| | | | |
|--------|--------------------|---|-------|
| 132-12 | PRC6999-ABS-HTB-EW | JEM Maritime Radio – 1 Year Extended Warranty (Customers may order up to 5 years) | \$95 |
| 132-12 | MA7134-EW | 50W VAA – 1 Year Extended Warranty (Customers may order up to 9 years) | \$190 |
| 132-12 | GRC6781-EW | 20W Base Station – 1 Year Extended Warranty (Customers may order up to 9 years) | \$145 |
| 132-12 | GRC6781A-EW | 50W Base Station - 1 Year Extended Warranty (Customers may order up to 9 years) | \$160 |
| 132-12 | MA7141-EW1 | VIPER SRW Appliqué Radio System- 1 Year Extended Warranty | \$169 |
| 132-12 | MA7141-EW5 | VIPER SRW Appliqué Radio System- 5 Year Extended Warranty | \$882 |

PRODUCT UPGRADE SUPPORT

| | | | |
|--------|-------------------------|-------------------------|-------|
| 132-12 | Product Upgrade Support | Product Upgrade Support | \$250 |
|--------|-------------------------|-------------------------|-------|

TRAINING – MBITR, VA, and VAA

| | | | |
|--------|------|---|----------|
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, East Coast Single Session, 4 1/2 Days, Maximum of 25 Enrollees - for JEM, MBITR, VA, and VAA | \$12,500 |
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, East Coast Double Session, 9 Days, (Maximum of 25 Enrollees for each of two 4 1/2 day courses back to back) - for JEM, MBITR, VA, and VAA | \$22,150 |
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, West Coast Single Session, 4 1/2 Days, Maximum of 25 Enrollees - for JEM, MBITR, VA, and VAA | \$13,750 |
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, West Coast Double Session, 9 Days, (Maximum of 25 Enrollees for each of two 4 1/2 day courses back to back) – for JEM, MBITR, VA, and VAA | \$24,750 |
| 132-50 | None | Operator, Instructor and Key Personnel | \$29,500 |

| | | | |
|--------|------|---|---------------|
| | | (IKP) Course, OCONUS Single Session, 4 1/2 Days, Maximum of 25 Enrollees – for JEM, MBITR, VA, and VAA | |
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, OCONUS Double Session, 9 Days, (Maximum of 25 Enrollees for each of two 4 1/2 day courses back to back) - for JEM, MBITR, VA, and VAA | \$39,500 |
| 132-50 | None | Operator, Instructor and Key Personnel (IKP) Course, Thales Communications, Inc., Clarksburg, MD, 4 days – for JEM, MBITR, VA, and VAA | \$400/student |
| 132-50 | None | Refresher Training, Intended for users with prior experience with the PRC-148 system. Unit must supply PRC-148 radios for training. New users should order the full course trainings offered above. | \$2500 |

LABOR CATEGORY DESCRIPTIONS AND RATES

| LABOR CATEGORY | DESCRIPTION | EDUCATION | EXPERIENCE |
|-----------------------------|---|--|---|
| Program Manager | Responsible for meeting overall performance, budget, schedule, and cost goals on a program. Effectively interfaces and coordinates aspects of the program with other departments and the customer. Programmatic responsibilities include advanced technology proof-of-concept designs, full-scale development engineering programs, high-volume manufacturing programs and aftermarket product support. | BSEE/BSCE/BSME/BSCS degree or equivalent. An advanced degree in management is desirable. | 4-6 years on industry experience preferably with DOD and military tactical radio communications technologies. |
| Engineering Project Manager | Serves as the principal lead of a multi-disciplined engineering product development team. Responsible and accountable for all technical aspects of a product development effort. Responsible for meeting overall technical performance, budget, schedule, and product cost goals on a project. | BSEE/BSCE/BSME/BSCS or equivalent. An advanced degree in management is desirable. | 4 to 8+ years as an Associate Engineering Project Manager or equivalent experience |
| Principal Engineer | Demonstrates ability to assimilate problems quickly with a high degree of judgment in anticipating and resolving technical issues. Helps to determine future product direction and is a key contributor in achieving business plan objectives. Provides technical support, inspiration, and leadership to various engineering levels. | BSEE/BSCE/BSME/BSCS or equivalent. An advanced degree in the field of specialization is desirable. | 6 to 10+ years as a Senior Staff Engineer |
| Senior Engineer | Demonstrates ability to assimilate problems quickly with a high degree of ingenuity in resolving issues. Helps to determine future product direction and is a key contributor in achieving business plan goals. | BSEE/BSCE/BSME/BSCS or equivalent. An advanced degree in the field of specialization is desirable. | 4 to 8+ years as a Staff Engineer |
| Engineer | Capable of performing engineering design and support tasks of moderate complexity with minimal supervision and technical direction. Knowledge of practical and theoretical design has solidified. Provides guidance and support to associate engineers. | BSEE/BSCE/BSME/BSCS or equivalent. | 2 to 4+ years as a design engineer |
| Engineering Technician | Perform Engineering Technician functions to include assembly, test, and debug of electronic assemblies, SW/FW, and integrated systems. Perform lab support functions to include control of lab supplies, equipment calibration support, and lab maintenance. | ASEE or equivalent, with good electronics background. | Knowledge of tactical radios or RF products desirable. Experience in a product development environment with proventroubleshooting skills. |

| | | | |
|--------------------------|--|---|---------------------------|
| Repair Tech | Extensive experience and ability to troubleshoot RF and/or digital products to the component level in a fast paced environment. Ability to troubleshoot products according to instructions for successful completion of assignments. | HS Diploma | 1-2 years in electronics. |
| Field Service Technician | Capable of performing analyses of system operations. Must have knowledge of and experience in the operations of hardware systems and components. Must have experience in fault detection, isolation, and correction of hardware systems and individual components. Must be capable of routine system maintenance and analysis functions including: hardware configurations; adding, removing and replacing hardware components; use of hardware and software diagnostic testing tools; reading of electronic circuit schematics; and repairing printed circuit boards. | AA or 2 year technical school Computer Science, Information Systems, Engineering, Business, or related scientific or technical discipline | 3 to 5 Years |

LABOR RATES

| SIN | LABOR CATEGORY | 2013 LABOR RATE |
|--------|------------------------------|-----------------|
| 132-51 | Program Manager | \$250 |
| 132-51 | Engineering Project Manager | \$260 |
| 132-51 | Principal Engineer | \$235 |
| 132-51 | Senior Engineer | \$185 |
| 132-51 | Engineer | \$142 |
| 132-51 | Engineering Technician | \$125 |
| 132-51 | Repair Technician | \$100 |
| 132-51 | Field Service Representative | \$107 |

LIBERTY™ LMR EQUIPMENT

The Liberty™ Multi-Band LMR provides interoperability for all of the typical public safety bands in a portable radio approximately the size and weight of typical current single-band portable radios. It provides Project 25 and Analog FM frequency coverage in the VHF (136-174 MHz), UHF (380-520 MHz), 700 MHz and 800 MHz bands. Project 25 conventional and trunking operation ensures interoperability in all Project 25 compliant systems. Type 3 AES and OFB DES encryption is available for all law enforcement personnel. The Radio is rugged and immersible to two (2) meters. The large color display has a simple user interface to minimize training. This radio provides unprecedented interoperability with existing land mobile radio equipment. It is software based and supported by flash memory for easy upgradeability. The radio unit contains a keypad, display and internal speaker microphone.



RADIOS

PRC7332-SYS – Liberty™ Multiband Land Mobile Radio System, Multiband (136-174 MHz, 380-520 MHz, 700 MHz, and 800 MHz) personal portable radio. Includes PRC7332 radio unit, antenna, standard capacity battery, basic charger, belt clip, users manual and operator card. Includes 1700964-1, Project 25 Trunking Software;

1700965-1, Project 25 Encryption Package; and 1700966-1, Project 25 Over the Air Re-Keying (OTAR). One (1) year standard warranty included.

PRC7332 – Liberty™ Multiband Land Mobile Radio, Multiband (136-174 MHz, 380-520 MHz, 700 MHz, and 800 MHz) personal portable radio. Includes PRC7332 radio unit and operator card. Includes 1700964-1, Project 25 Trunking Software; 1700965-1, Project 25 Encryption Package; and 1700966-1, Project 25 Over the Air Re-Keying (OTAR). One (1) year standard warranty included.

PRC7332-ISYS – Intrinsic Safe Liberty™ Multiband Land Mobile Radio System, Multiband (136-174 MHz, 380-520 MHz, 700 MHz, and 800 MHz) personal portable radio system. Includes Intrinsic Safe PRC7332 radio unit, antenna, standard capacity battery, basic charger, belt clip, users manual and operator card. Includes 1700964-1, Project 25 Trunking Software; 1700965-1, Project 25 Encryption Package; and 1700966-1, Project 25 Over the Air Re-Keying (OTAR). One (1) year standard warranty included.

PRC7332-IS –Intrinsic Safe Liberty™ Multiband Land Mobile Radio, Multiband (136-174 MHz, 380-520 MHz, 700 MHz, and 800 MHz) personal portable radio. Includes Intrinsic Safe PRC7332 radio unit and operator card. Includes 1700964-1, Project 25 Trunking Software; 1700965-1, Project 25 Encryption Package; and 1700966-1, Project 25 Over the Air Re-Keying (OTAR). One (1) year standard warranty included.

PROGRAMMING, ENCRYPTION AND SOFTWARE UPGRADES

1700964-1, Project 25 Trunking Software, provides standard Project 25 trunking functions.

1700965-1, Project 25 Encryption Package, includes Project 25 Advanced Encryption (AES - 256 bit), Output Feedback Data Encryption Standard (OFB DES -56 bit), and Key Fill Device (KFD) message interface.

1700966-1, Project 25 Over the Air Re-Keying (OTAR), provides standard Project 25 Over-The-Air-Rekeying functionality.

BATTERIES AND CHARGERS

1600691-1, Standard Rechargeable Li-Ion Battery

1600691-2, High Capacity Rechargeable Li-Ion Battery

1600691-3, Intrinsic Safe Standard Rechargeable Li-Ion Battery

4102201-501, AA Clamshell – Black, AA Battery (12 AA alkaline cells) clamshell cassette.

4102201-502, AA Clamshell – Orange, AA Battery (12 AA alkaline cells) clamshell cassette.

CASES/HOLSTERS

40508 – Spring Loaded Belt Clip, attaches to battery for slim profile

1600697-1, Leather Carry Case D-ring for Radio with Rechargeable Battery, swivel D-ring included

1600697-2, Leather Carry Case, Beltloop for Radio with AA clamshell

1600702-1, Nylon Duty Case for Radio with Rechargeable Battery

1600697-3, Leather Carry Case, Belt Loop for Rechargeable Battery, Order for use with Rechargeable Battery.

ANTENNAS

1600678-1, 8 1/2 inch Liberty™ Multiband Radio Antenna, broadband antenna that covers all bands, VHF (136-174 MHz), UHF (380-520 MHz), 700 MHz, and 800 MHz

AUDIO ACCESSORIES

1600703-1, Audio/Programming Side Connector Adapter, includes 6-pin Hirose connector for audio and keyfill, and USB for programming, cloning, and data transfer.

1600696-1, Speaker Microphone, balanced audio, fits in the palm of the hand or attaches to shoulder strap, has its' own Press-To-Talk (PTT) switch and volume control .

1600728-2, Intrinsic Safe Ruggedized Speaker Microphone, High temperature speaker, balanced audio, Push-To-Talk (PTT) switch, emergency button, 36" coiled cable.

1100542-501, Earphone Kit for Speaker Microphone, plugs into the ear, connects to the Speaker Microphone and "mutes" its' speaker.

SURVEILLANCE EQUIPMENT

1600497-2 – Security Harness (3 Wire), Black in color with wired earpiece. Requires audio / programming Side Connector Adapter, PN 1600703-1.

1600497-3 – Security Harness (2 Wire), Tan in color with wired earpiece. Requires audio / programming Side Connector Adapter, PN 1600703-1.

1600497-4 – Security Harness (2 Wire), Black in color with wired earpiece. Requires audio / programming Side Connector Adapter, PN 1600703-1.

CABLES

1600703-1, Audio/Programming Side Connector Adapter, includes 6-pin Hirose connector for audio and keyfill, and USB for programming, cloning, and data transfer.

3100965-501, PC Programming Cable Kit, consists of 1600703-1 Audio / Programming side connector adapter and COTS USB Type A male / Mini-AB cable. Used to connect radio to PC for programming.

3100966-501, Radio Cloning Cable Kit, consists of two (2) 1600703-1 Audio / Programming side connector adapters and COTS USB Mini-AB / Mini-AB cable. Used to connect two radios together for channel cloning.

85326, USB Cable, Liberty shielded USB 2.0 Type A to Mini B Cable (6 feet)

TRAINING AND MANUALS

84382-IETM Liberty™ Operator Manual, CD providing details on radio operation and capabilities.

84403-IETM Liberty™ Technical Service Manual, CD providing technical details on maintenance and general repair for the radio.

WARRANTY OPTIONS

None

MAINTENANCE EQUIPMENT

None

LIBERTY™ GSA PRICE LIST

RADIOS

| SIN | PART NO. | DESCRIPTION | UNIT PRICE |
|-------|--------------|---|------------|
| 132-8 | PRC7332-SYS | Liberty™ Multiband Land Mobile Radio System. | \$2162 |
| 132-8 | PRC7332 | Liberty™ Multiband Land Mobile Radio. | \$2033 |
| 132-8 | PRC7332-ISYS | Intrinsic Safe Liberty™ Multiband Land Mobile Radio System. | \$2285 |
| 132-8 | PRC7332-IS | Intrinsic Safe Liberty™ Multiband Land Mobile Radio. | \$2130 |

PROGRAMMING, ENCRYPTION AND SOFTWARE UPGRADES

| | | | |
|--------|-----------|---|------|
| 132-33 | 1700964-1 | Project 25 Trunking Software | \$50 |
| 132-33 | 1700965-1 | Project 25 Encryption Package (AES, DES, and KFD interface) | \$50 |
| 132-33 | 1700966-1 | Over-the-Air-Rekey (OTAR) Software | \$50 |

BATTERIES AND CHARGERS

| | | | |
|--------|-------------|---|-------|
| 132-12 | 1600691-1 | Standard Rechargeable Li-Ion Battery | \$113 |
| 132-12 | 1600691-2 | High Capacity Rechargeable Li-Ion Battery | \$158 |
| 132-12 | 1600691-3 | Intrinsic Safe Standard Rechargeable Li-Ion Battery | \$128 |
| 132-12 | 4102201-501 | AA Clamshell, Black | \$113 |
| 132-12 | 4102201-502 | AA Clamshell, Orange | \$113 |

CASES/HOLSTERS

| | | | |
|-------|-----------|--|------|
| 132-8 | 40508 | Spring Loaded Belt Clip | \$11 |
| 132-8 | 1600697-1 | Leather Carry Case D-ring for Radio with Rechargeable Battery, swivel D-ring | \$26 |

| | | | |
|-------|-----------|--|------|
| 132-8 | 1600697-2 | Leather Carry Case, Beltloop for Radio with AA clamshell | \$26 |
| 132-8 | 1600702-1 | Nylon Duty Case for Radio with Rechargeable Battery | \$26 |
| 132-8 | 1600697-3 | Leather Carry Case, Belt Loop for Rechargeable Battery | \$26 |

ANTENNAS

| | | | |
|-------|-----------|---|------|
| 132-8 | 1600678-1 | 8 1/2 inch Liberty™ Multiband Radio Antenna | \$65 |
|-------|-----------|---|------|

AUDIO ACCESSORIES

| | | | |
|-------|-------------|--|-------|
| 132-8 | 1600703-1 | Audio / Programming Side Connector Adapter | \$83 |
| 132-8 | 1600696-1 | Speaker Microphone | \$165 |
| 132-8 | 1600728-2 | Intrinsic Safe Ruggedized Speaker Microphone | \$188 |
| 132-8 | 1100542-501 | Earphone Kit for Speaker Microphone | \$31 |

SURVEILLANCE EQUIPMENT

| | | | |
|-------|-----------------|--|-------|
| 132-8 | 1600497-2 BLACK | Security Harness (3-wire) with Wired Earpiece, Black (Requires Audio / Programming Side Connector Adapter, P/N 1600703-1). | \$180 |
| 132-8 | 1600497-3 TAN | Security Harness (2-wire) with Wired Earpiece, Tan (Requires Audio / Programming Side Connector Adapter, P/N 1600703-1) | \$139 |
| 132-8 | 1600497-4 BLACK | Security Harness (2-wire) with Wired Earpiece, Black (Requires Audio / Programming Side Connector Adapter, P/N 1600703-1) | \$139 |

CABLES

| | | | |
|-------|-------------|--|-------|
| 132-8 | 1600703-1 | Audio / Programming Side Connector Adapter | \$83 |
| 132-8 | 3100965-501 | Programming Cable Kit | \$94 |
| 132-8 | 3100966-501 | Radio Cloning Cable Kit | \$169 |
| 132-8 | 85326 | USB Cable | \$6 |

TRAINING AND MANUALS

| | | | |
|--------|------------|---------------------------|------|
| 132-50 | 84382-IETM | Liberty Operator Manual | \$15 |
| 132-50 | 84403-IETM | Technical Services Manual | \$15 |